

Dhairya N Panchal

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Summary

RHCSA-certified DevOps and Linux Systems professional with experience building and maintaining CI/CD pipelines, cloud infrastructure (AWS & Azure), and containerized environments (Docker/Podman). Skilled in automating deployments, hardening systems, and improving infrastructure reliability. Seeking an SRE/DevOps role to drive scalable, resilient systems at Google-scale.

Experience

Electromech Cloudtech Pvt. Limited

Ahmedabad, India

Linux System Administrator

Sept 2024 – Present

- Administered **RHEL/Ubuntu** systems across **50+ user environments**; enforced file permissions, group policies, and access controls, reducing unauthorized access incidents by hardening SSH and firewall rules (firewalld/iptables).
- Deployed containerized web applications on **Azure VMs** using **Podman** with port mapping and NSG configuration, replicating production-grade cloud deployment workflows.
- Performed proactive log analysis, IP routing, and system troubleshooting, maintaining **99%+ uptime** across all managed infrastructure.

Stellarmind.ai

Ahmedabad, India

DevOps Intern

Feb 2025 – May 2025

- Engineered **CI/CD pipelines** using Jenkins and GitHub Actions, reducing manual deployment effort and accelerating software delivery cycles.
- Managed containerized environments via **Docker/Podman**, ensuring consistent deployments across development and production.
- Monitored and optimized **AWS infrastructure** (EC2, S3, VPC), contributing to cost reduction through right-sizing and resource provisioning improvements.
- Authored **Bash shell scripts** to automate repetitive sysadmin and deployment tasks, improving team operational efficiency.

Projects

CI/CD Deployment Platform with Jenkins & Azure App Service

Jenkins, GitHub, Azure, CI/CD

- Built a production-style pipeline integrating **GitHub webhooks**, **Jenkins**, and **Azure App Service** to automate build and release workflows — achieving zero-touch deployments on every code push.
- Reduced deployment time by eliminating manual steps; fully automated test-build-deploy cycle across environments.

Containerized Website Hosting on Azure VM with Podman

Linux, Podman, Azure, Networking

- Provisioned Azure VM, configured **NSG rules & firewall policies**, and deployed a containerized static site with public IP access — demonstrating end-to-end cloud infrastructure ownership.
- Implemented **Podman port mapping** for internet-facing container exposure; applied networking best practices for security and availability.

Tech-Meet – Full-Stack Event Management System

HTML, CSS, JavaScript, PHP, MySQL

- Built a full-stack platform with **CRUD operations**, input validation, and normalized **MySQL relational schema** to manage college events at scale.

Technical Skills

Cloud & DevOps: AWS (EC2, S3, VPC, IAM), Microsoft Azure (VM, App Service, NSG), CI/CD Pipelines, Docker, Podman, Cloud Computing

System Administration: Linux (RHEL 9 / Ubuntu), SSH Hardening, Firewalls (firewalld/iptables), User & Group Management, File Permissions, System Monitoring, Log Analysis

Programming & Scripting: Bash Shell Scripting, Python, PHP

Web Development: React.js, HTML5, CSS3, JavaScript, MongoDB, MySQL

Networking & Tools: OSI Model, TCP/IP, IP Addressing, Routing, DNS, Git, GitHub, Jenkins

Education

Gujarat University

Ahmedabad, India

B.Sc. IT – Cloud and Application Development

2023 – Present (Semester 6)

Certifications

- RHCSA** – Red Hat Certified System Administrator
- AWS Academy Graduate** – Cloud Foundations
- AWS Basics** – KodeKloud
- A Practical Introduction to Cloud Computing** – EC-Council

Community & Volunteer

- AWS Community Ahmedabad** – Volunteer: organize meetups and workshops on AWS cloud technologies.
- Elastic Ahmedabad** – Volunteer: facilitate community sessions on search and observability tooling.